



| Technical specifications | |
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| Product | LOGO!Power |
| Power supply, type | 24 V/2.5 A |
| Input | |
| Input | 1-phase AC |
| Rated voltage value V_{in} rated | 100 V ... 240 V |
| Wide-range input | Yes |
| Voltage range | 85 V ... 264 V |
| Oversoltage resistance | $2.3 \times V_{in}$ rated/1.3 ms |
| Mains buffering at I_{out} rated, min. | 40 ms |
| Mains buffering | at $V_{in} = 187$ V |
| Rated line frequency | 50 Hz / 60 Hz |
| Rated line range | 47 Hz ... 63 Hz |
| Input current / at nominal level of the input voltage 120 V | 1.22 A |
| Input current / at nominal level of the input voltage 230 V | 0.66 A |
| Switch-on current limiting (+25 °C), max. | 30 A |
| I^2t , max. | 3 A ² ·s |
| Built-in incoming fuse | internal |
| Protection in the mains power input (IEC 898) | Recommended miniature circuit breaker: from 16 A, characteristic B or from 10 A, characteristic C |
| Output | |

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| Output | Controlled, isolated DC voltage |
| Rated voltage value V_{out} rated DC | 24 V |
| Total tolerance, static \pm | 3 % |
| Static mains compensation, approx. | 0.1 % |
| Static load balancing, approx. | 1.5 % |
| Residual ripple peak-peak, max. | 200 mV |
| Residual ripple peak-peak, typ. | 10 mV |
| Spikes peak-peak, max. (bandwidth: 20 MHz) | 300 mV |
| Spikes peak-peak, typ. (bandwidth: 20 MHz) | 40 mV |
| Adjustment range | 22.2 V ... 26.4 V |
| Product feature / output voltage adjustable | Yes |
| Output voltage setting | via potentiometer |
| Status display | Green LED for output voltage OK |
| On/off behavior | No overshoot of V_{out} (soft start) |
| Startup delay, max. | 0.5 s |
| Voltage rise, typ. | 10 ms |
| Rated current value I_{out} rated | 2.5 A |
| Output current / nominal range | 0 A ... 2.5 A |
| Parallel switching for enhanced performance | Yes |
| Numbers of parallel switchable units for enhanced performance | 2 |
| Efficiency | |
| Efficiency at V_{out} rated, I_{out} rated, approx. | 87 % |
| Power loss at V_{out} rated, I_{out} rated, approx. | 9 W |
| Closed-loop control | |
| Dynamic mains compensation (V_{in} rated ± 15 %), max. | 0.2 % |
| Dynamic load smoothing (I_{out} : 10/90/10 %), $U_{out} \pm$ typ. | 1.5 % |
| Load step setting time 10 to 90%, typ. | 20 ms |
| Load step setting time 90 to 10%, typ. | 20 ms |
| Protection and monitoring | |
| Design of the overload protection | Yes, according to EN 60950-1 |
| Current limitation, typ. | 3.4 A |
| Short-circuit protection | Constant current characteristic |
| Enduring short circuit current / Effective level / maximum | 8 A |
| Safety | |
| Primary/secondary isolation | Yes |
| Potential separation | Safety extra low output voltage V_{out} according to EN 60950-1 and EN 50178 |
| Protection class | Class II (without protective conductor) |
| CE mark | Yes |

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| UL/cUL (CSA) approval | cULus-listed (UL 508, CSA C22.2 No. 107.1), File E197259; cURus-recognized (UL 60950, CSA C22.2 No. 60950), File E151273 |
| Explosion protection | ATEX EX II 3G Ex nA IIC T3 |
| FM approval | Class I Div. 2, Group A, B, C, D T4 |
| CB approval | Yes |
| Marine approval | GL, ABS, BV, DNV, LRS |
| Degree of protection (EN 60529) | IP20 |
| EMC | |
| Emitted interference | EN 55022 Class B |
| Supply harmonics limitation | Not applicable |
| Noise immunity | EN 61000-6-2 |
| Operating data | |
| Ambient temperature / in operation | -20 °C ... 55 °C |
| • ultimate value | with natural convection |
| Ambient temperature / on transport | -40 °C ... 70 °C |
| Ambient temperature / in storage | -40 °C ... 70 °C |
| Humidity class according to EN 60721 | Climate class 3K3, no condensation |
| Mechanics | |
| Connections / Supply input | L, N: 1 screw terminal each for 0.5 ... 2.5 mm ² single-core/finely stranded |
| Connections / Output | +, -: 2 screw terminals each for 0.5 ... 2.5 mm ² |
| Width / of the housing | 72 mm |
| Height / of the housing | 90 mm |
| Depth / of the housing | 55 mm |
| Installation width | 72 mm |
| Mounting height | 130 mm |
| Weight, approx. | 0.25 kg |
| Installation | Snaps onto DIN rail EN 60715 35x7.5/15 |
| Mean time between failure (MTBF) / at 40 °C | 1419239 h |
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letzte Änderung:

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